

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143039.D
 Acq On : 08 Jul 2025 18:08
 Operator : RC/JU
 Sample : Q2489-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G4(0-6)

Quant Time: Jul 08 18:32:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

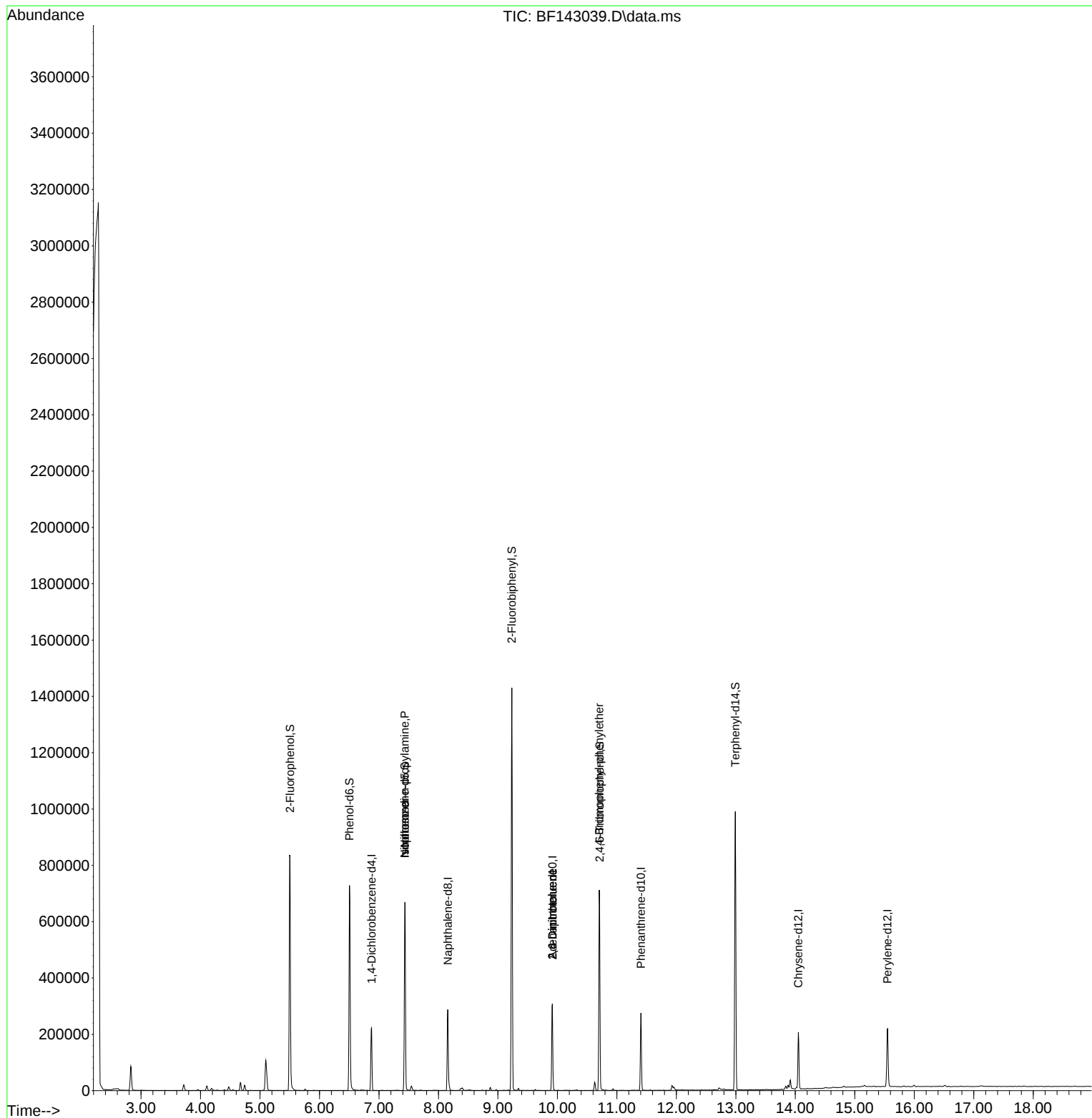
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	50855	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	188920	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	94572	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	143217	20.000	ng	0.00
76) Chrysene-d12	14.051	240	100635	20.000	ng	0.00
86) Perylene-d12	15.551	264	123438	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	340406	111.444	ng	0.01
7) Phenol-d6	6.504	99	350880	97.366	ng	0.00
23) Nitrobenzene-d5	7.434	82	301356	87.495	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	127154	130.654	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	635260	88.242	ng	-0.01
79) Terphenyl-d14	12.992	244	482045	66.184	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	40534	19.339	ng	# 74
25) Isophorone	7.434	82	301352	54.542	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	12492	9.292	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	12492	6.995	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	8002	4.909	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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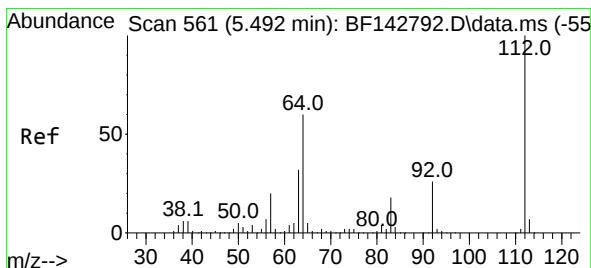
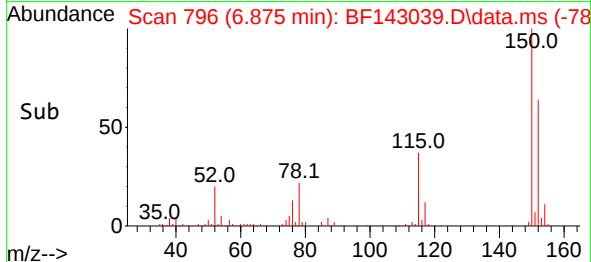
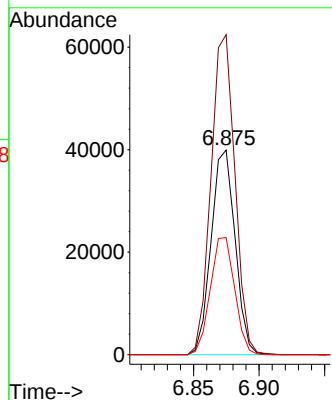
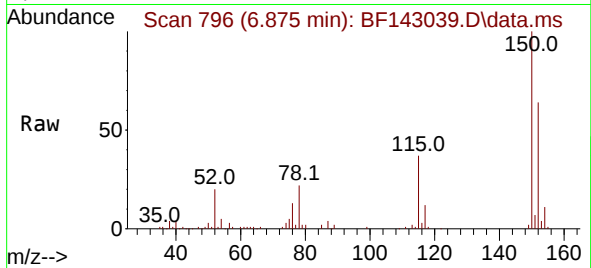




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

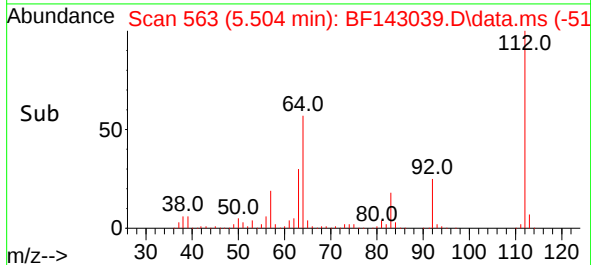
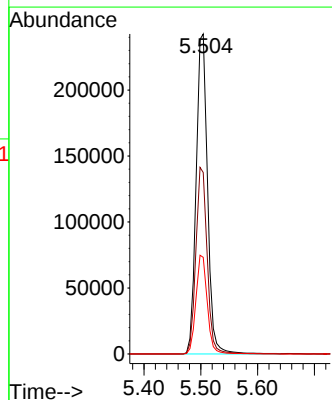
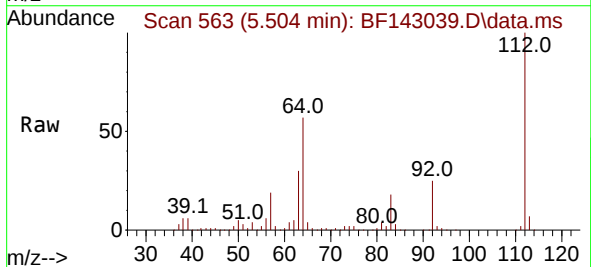
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

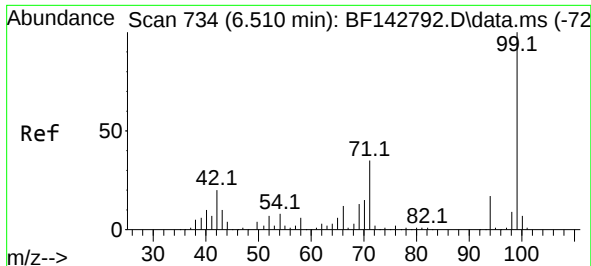
Tgt Ion:152 Resp: 50855
Ion Ratio Lower Upper
152 100
150 156.4 127.2 190.8
115 57.3 46.6 69.8



#5
2-Fluorophenol
Concen: 111.444 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:112 Resp: 340406
Ion Ratio Lower Upper
112 100
64 56.7 48.2 72.2
63 30.2 25.7 38.5

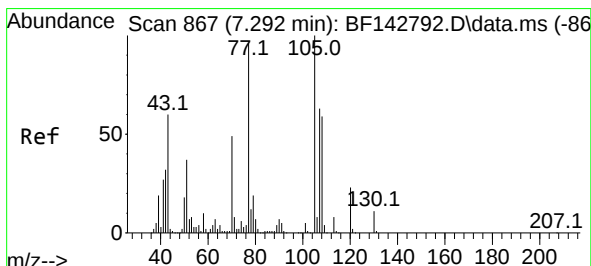
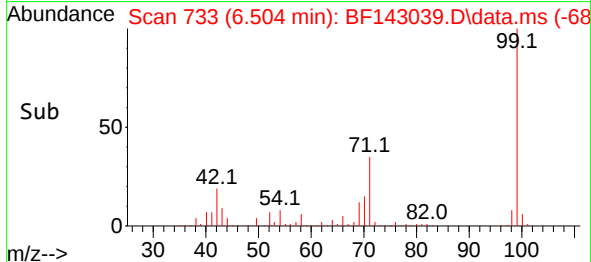
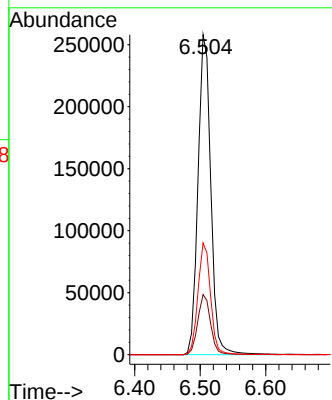
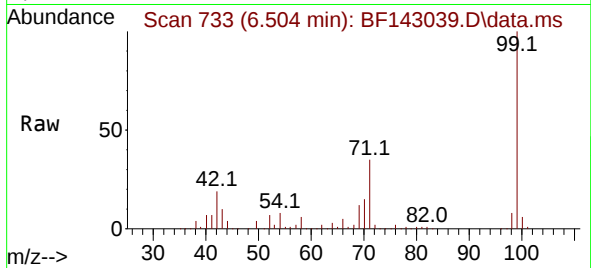




#7
Phenol-d6
Concen: 97.366 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

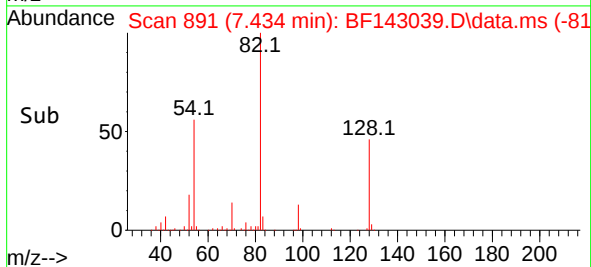
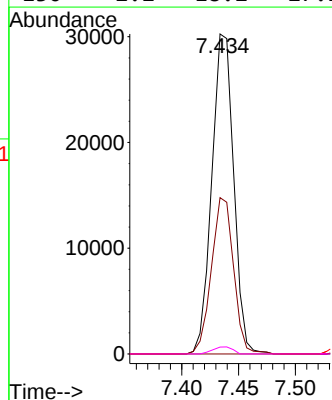
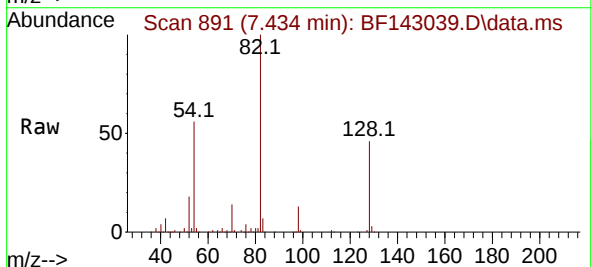
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

Tgt Ion: 99 Resp: 350880
Ion Ratio Lower Upper
99 100
42 18.8 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.339 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion: 70 Resp: 40534
Ion Ratio Lower Upper
70 100
42 48.9 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#



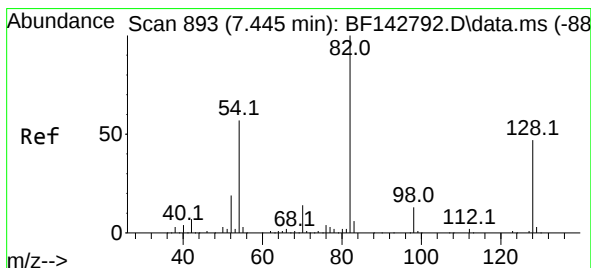
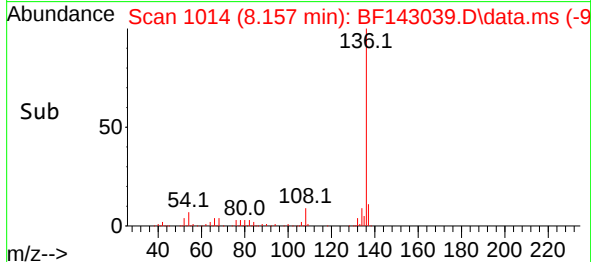
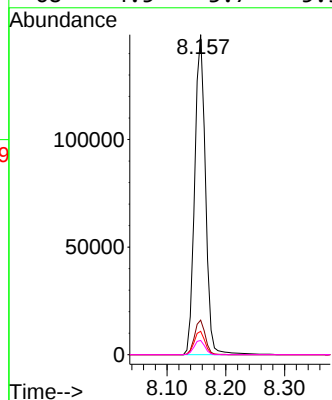
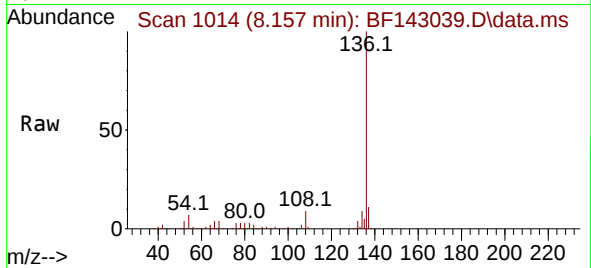


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Instrument :
BNA_F
ClientSampleId :
G4(0-6)

Tgt Ion:136 Resp: 188920

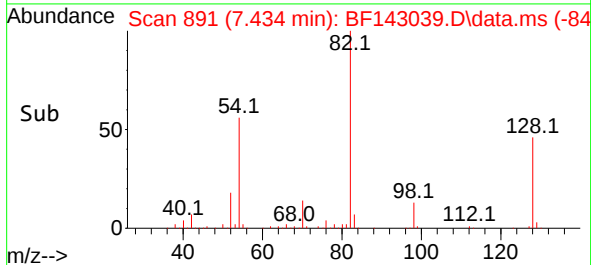
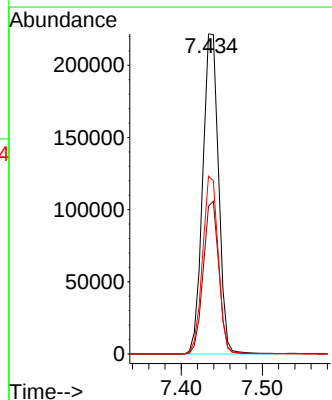
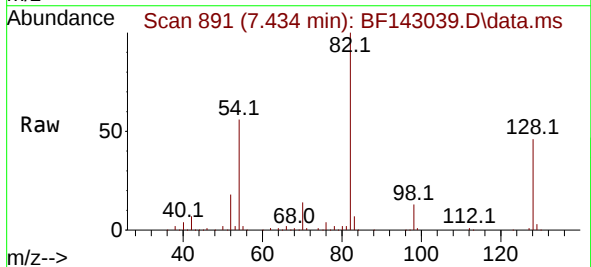
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.3	6.3	9.5
68	4.5	3.7	5.5



#23
Nitrobenzene-d5
Concen: 87.495 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion: 82 Resp: 301356

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.7	56.5
54	55.6	45.7	68.5

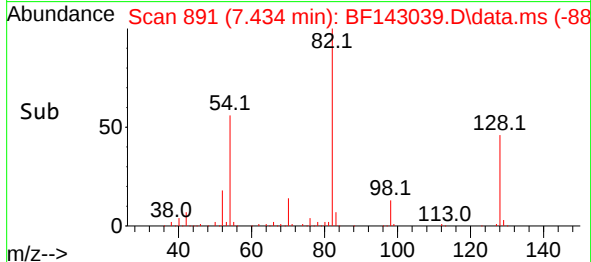
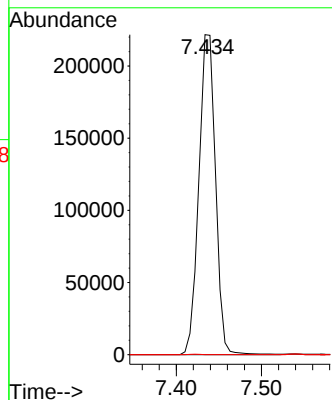
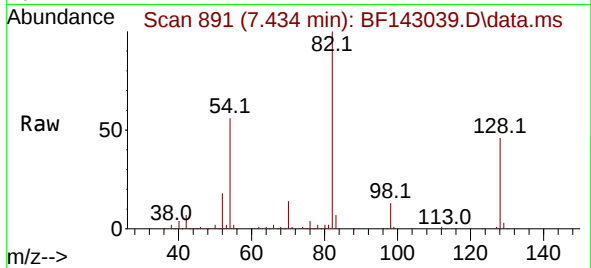




#25
Isophorone
Concen: 54.542 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.270 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

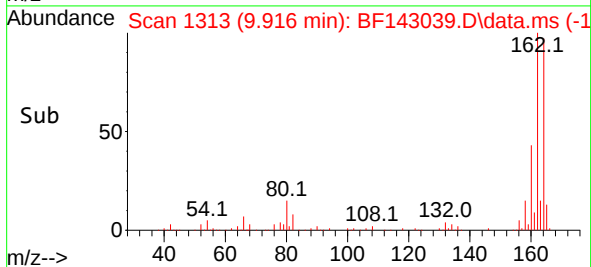
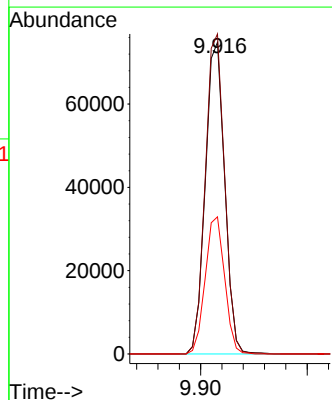
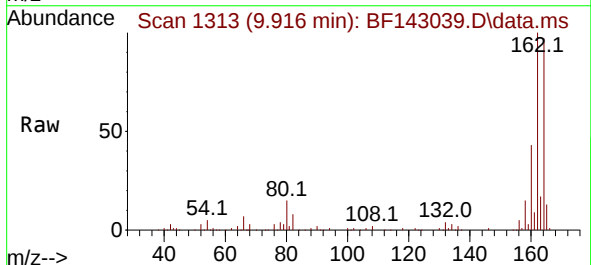
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

Tgt Ion: 82 Resp: 301352
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:164 Resp: 94572
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.8
160 44.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 130.654 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143039.D

Acq: 08 Jul 2025 18:08

Instrument :

BNA_F

ClientSampleId :

G4(0-6)

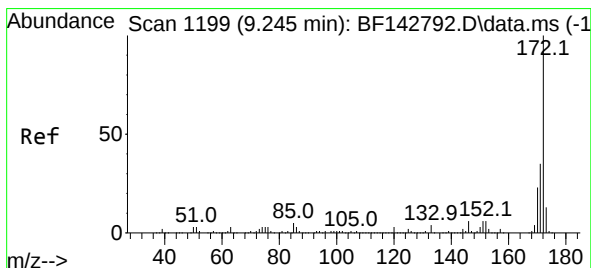
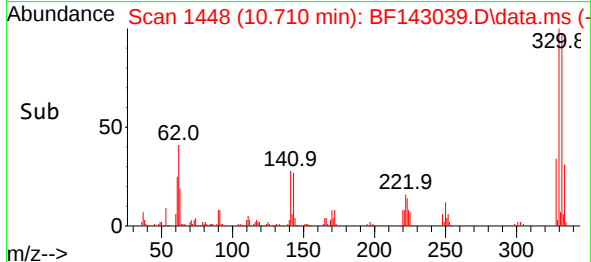
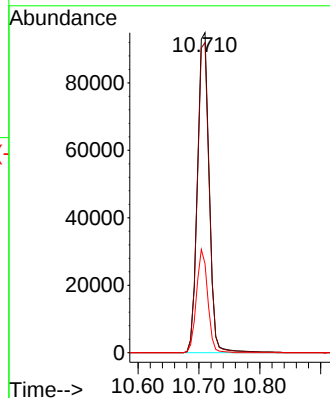
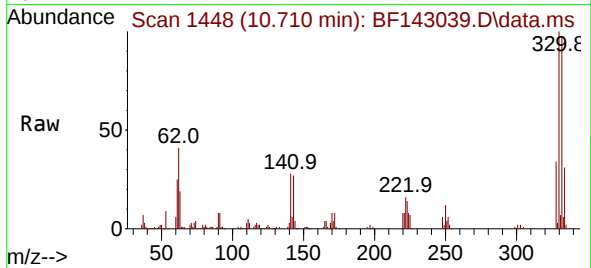
Tgt Ion:330 Resp: 127154

Ion Ratio Lower Upper

330 100

332 97.1 75.0 112.6

141 30.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 88.242 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF143039.D

Acq: 08 Jul 2025 18:08

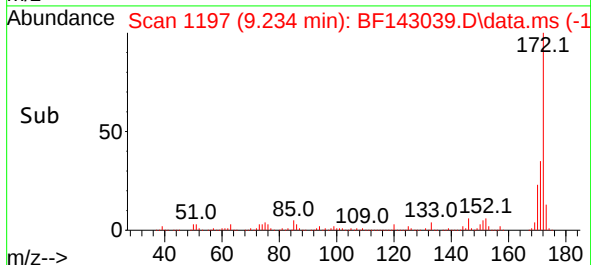
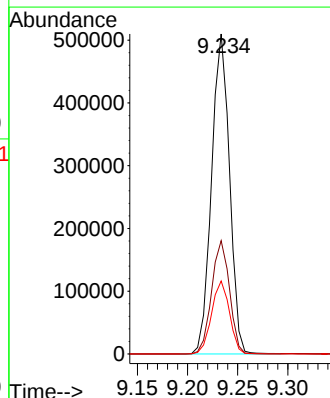
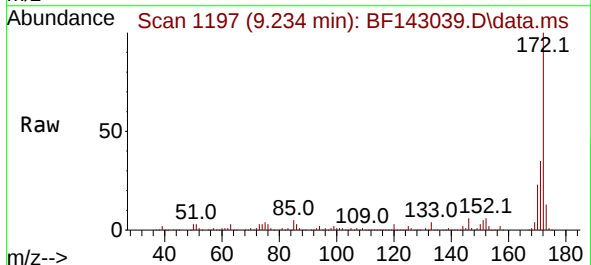
Tgt Ion:172 Resp: 635260

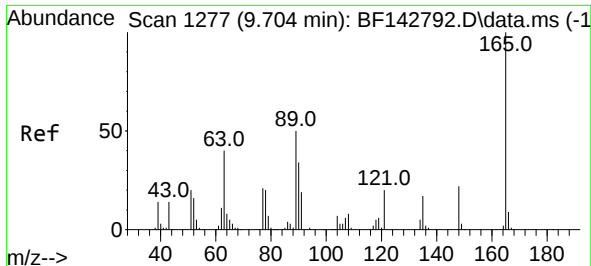
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 22.8 18.5 27.7

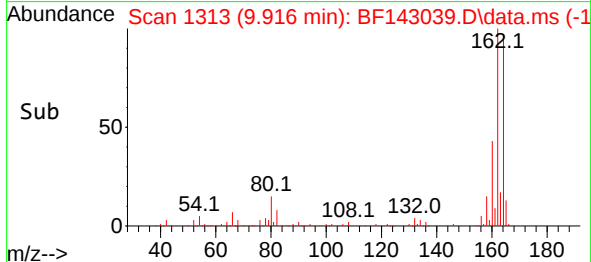
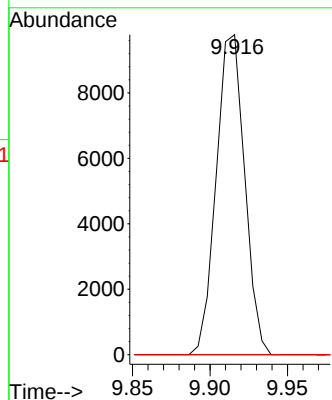
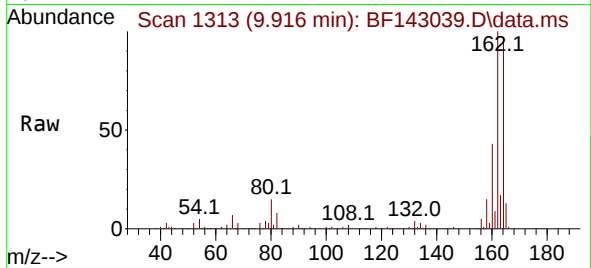




#51
2,6-Dinitrotoluene
Concen: 9.292 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

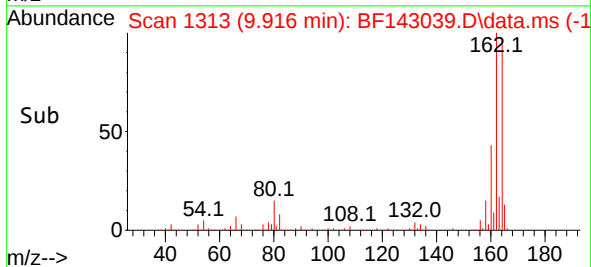
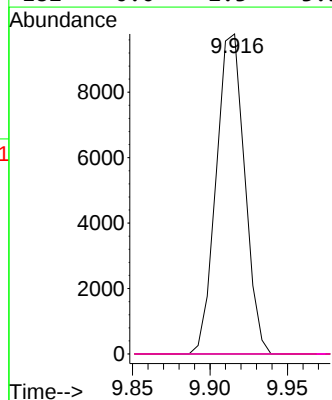
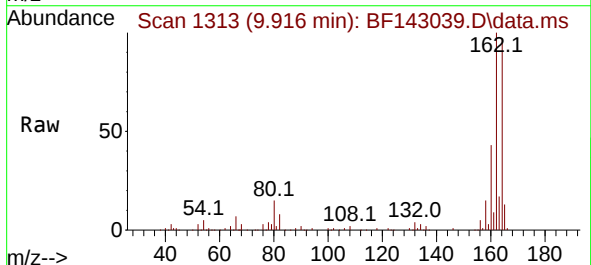
Instrument :
BNA_F
ClientSampleId :
G4(0-6)

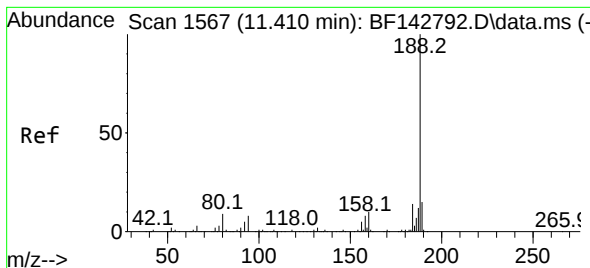
Tgt Ion:165 Resp: 12492
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.995 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Tgt Ion:165 Resp: 12492
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143039.D

Acq: 08 Jul 2025 18:08

Instrument :

BNA_F

ClientSampleId :

G4(0-6)

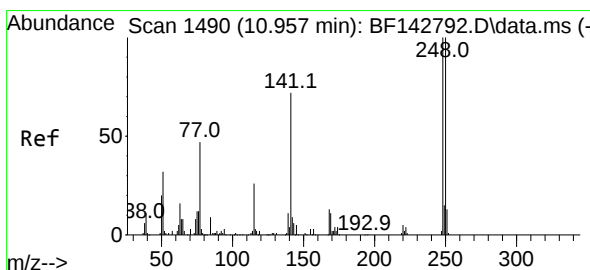
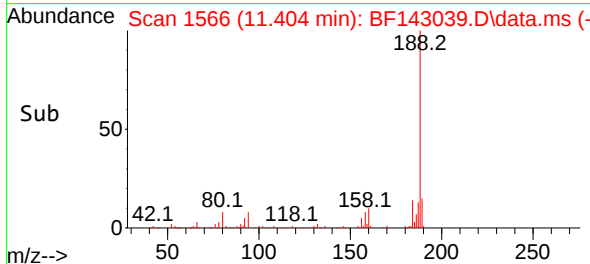
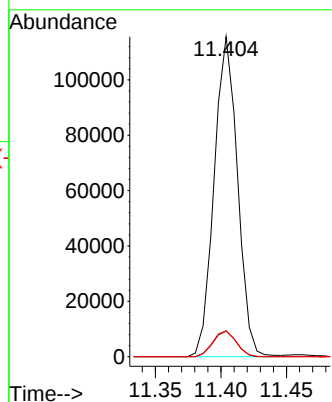
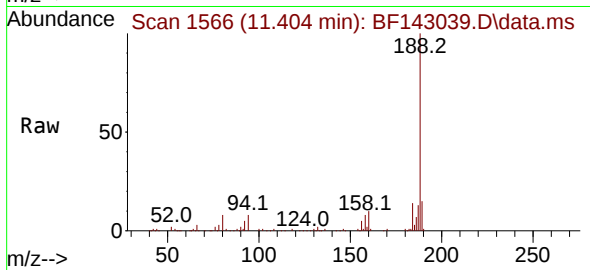
Tgt Ion:188 Resp: 143217

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 4.909 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF143039.D

Acq: 08 Jul 2025 18:08

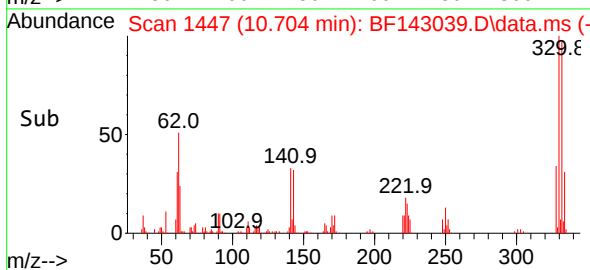
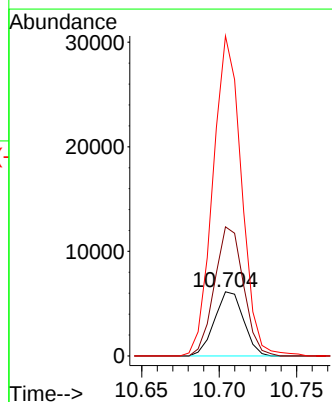
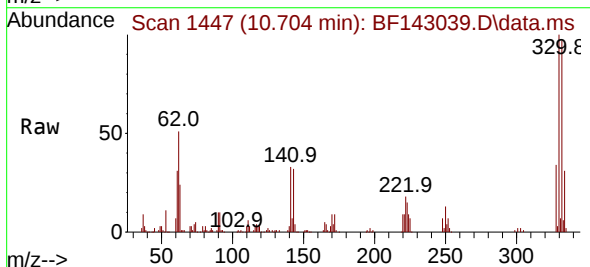
Tgt Ion:248 Resp: 8002

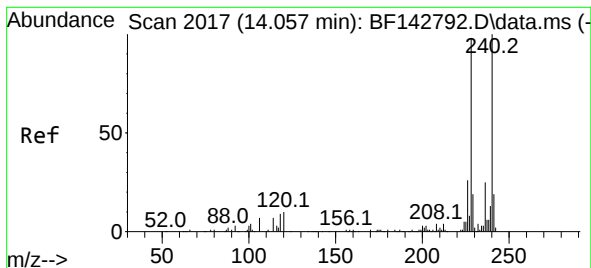
Ion Ratio Lower Upper

248 100

250 201.2 79.8 119.8#

141 498.8 57.8 86.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143039.D

Acq: 08 Jul 2025 18:08

Instrument :

BNA_F

ClientSampleId :

G4(0-6)

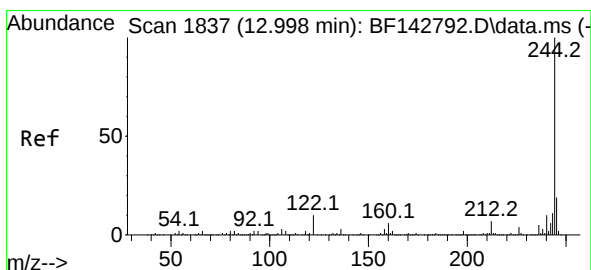
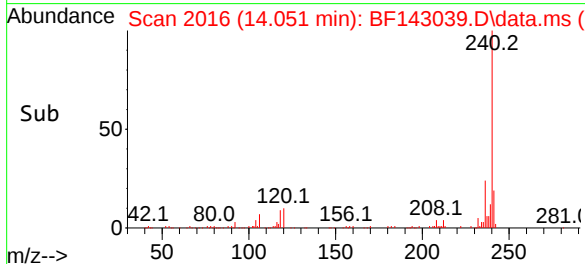
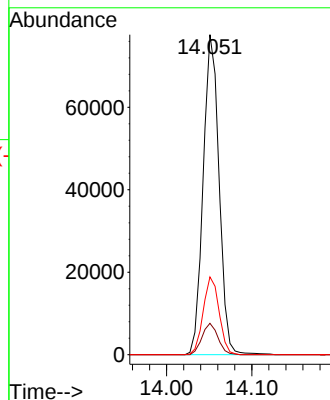
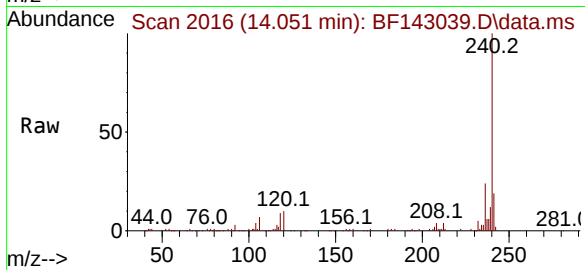
Tgt Ion:240 Resp: 100635

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

236 24.3 19.8 29.8



#79

Terphenyl-d14

Concen: 66.184 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143039.D

Acq: 08 Jul 2025 18:08

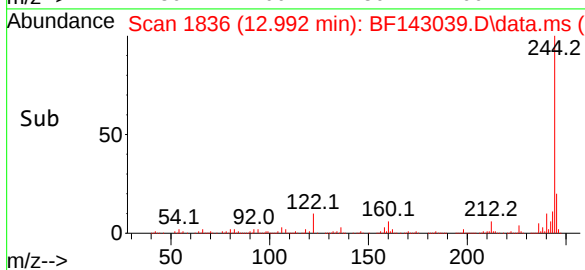
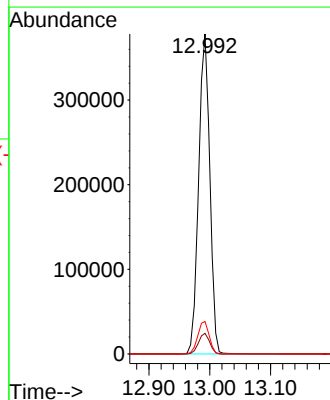
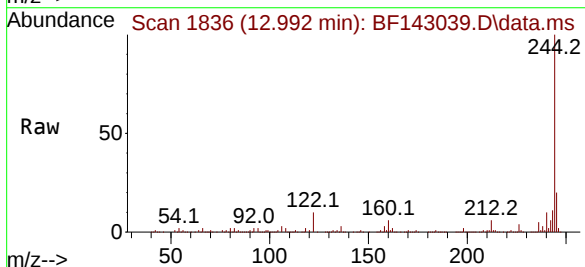
Tgt Ion:244 Resp: 482045

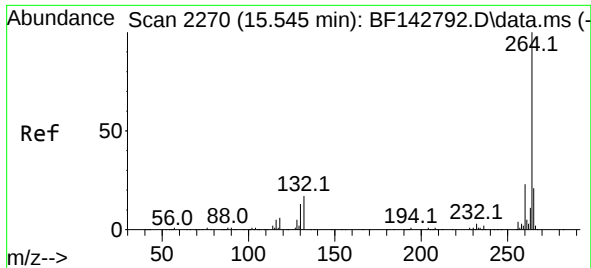
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.2 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143039.D
Acq: 08 Jul 2025 18:08

Instrument :
BNA_F
ClientSampleId :
G4(0-6)

Tgt Ion:264 Resp: 123438
Ion Ratio Lower Upper
264 100
260 22.5 18.1 27.1
265 20.7 16.6 25.0

